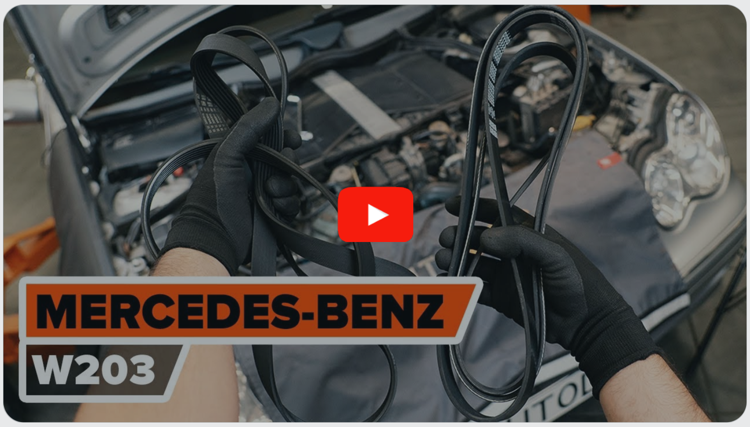
AUTODOC CLUB

How to change serpentine belt on **MERCEDES-BENZ R-Class (W251, V251)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

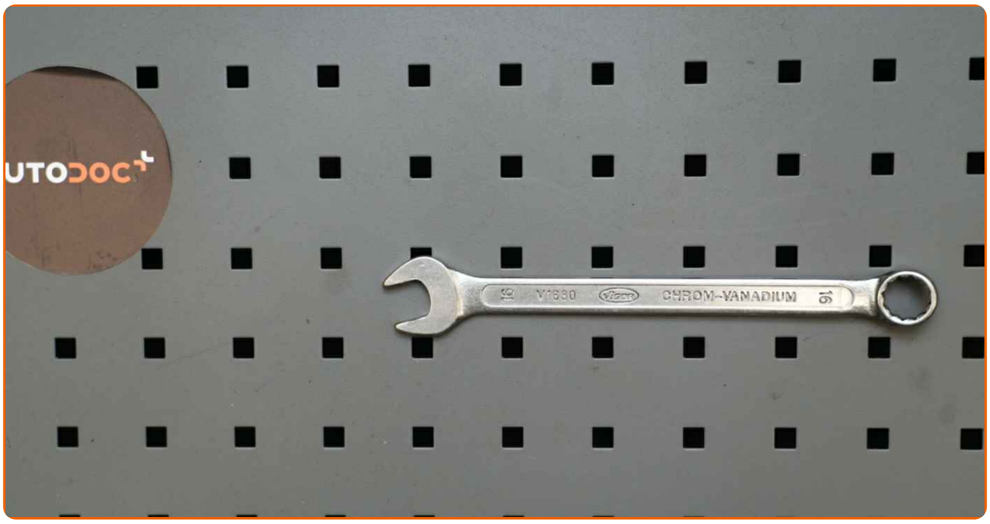
Important!

This replacement procedure can be used for:
MERCEDES-BENZ R-Class (W251, V251) R 350 4-matic (251.065, 251.165), MERCEDES-BENZ R-Class (W251, V251) R 280 (251.054, 251.154), MERCEDES-BENZ R-Class (W251, V251) R 350 (251.056, 251.156), MERCEDES-BENZ R-Class (W251, V251) R 500 4-matic (251.072, 251.172), MERCEDES-BENZ R-Class (W251, V251) R 280 4-matic (251.062), MERCEDES-BENZ R-Class (W251, V251) R 300 (251.054, 251.154), MERCEDES-BENZ R-Class (W251, V251) R 300 4-matic (251.062)

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ C-Class Saloon (W203) C 240 (203.061)

REPLACEMENT: SERPENTINE BELT – MERCEDES-BENZ R-CLASS (W251, V251). TOOLS YOU MIGHT NEED:



- Combination spanner #16
- Fender cover

Buy tools

Replacement: serpentine belt – MERCEDES-BENZ R-Class (W251, V251).
AUTODOC experts recommend:

- All work should be done with the engine stopped.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

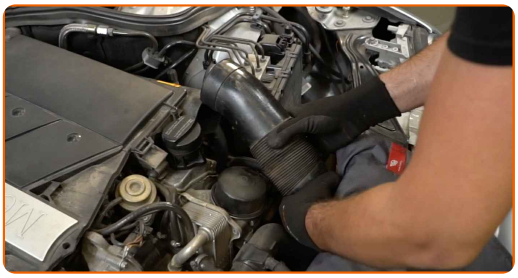
3 Remove the engine cover.



AUTODOC recommends:

- Replacement: serpentine belt – MERCEDES-BENZ R-Class (W251, V251). Do not use excessive force when removing the part as this may damage it.

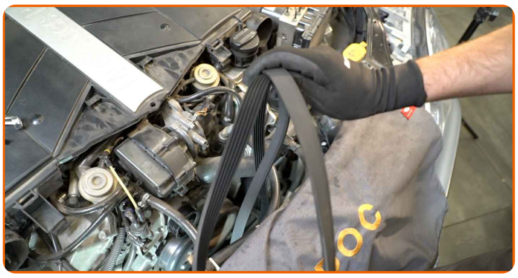
4 Remove the air intake hoses.



5 Pull aside the V-ribbed belt tensioner pulley. Use a combination spanner #16.



6 Remove the V-ribbed belt.

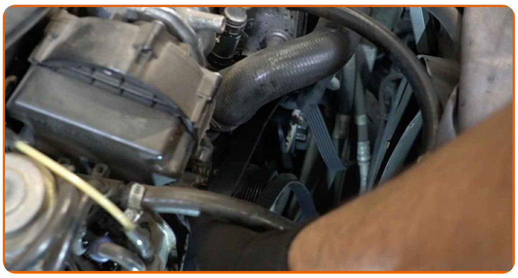


Replacement: serpentine belt – MERCEDES-BENZ R-Class (W251, V251). AUTODOC recommends:

- Check the condition of the tensioner pulley and idler pulley. Replace them if necessary.

7 Return the tensioner pulley to its initial position.

8 Install the V-ribbed belt.



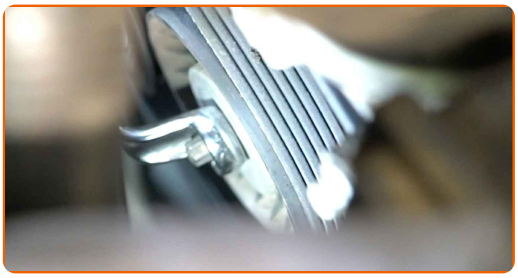
Replacement: serpentine belt – MERCEDES-BENZ R-Class (W251, V251). Tip from AUTODOC:

- Make sure that the V-ribbed belt fits all pulleys snugly.

9 Pull aside the V-ribbed belt tensioner pulley. Use a combination spanner #16.



10 Place the V-ribbed belt on the tensioner pulley.

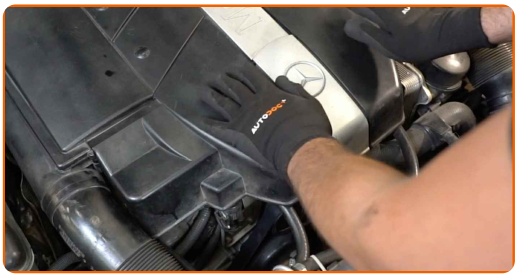


11 Return the tensioner pulley to its initial position. Use a combination spanner #16.

12 Reinstall the air intake hoses.



13 Install the engine cover and secure it.



AUTODOC recommends:

- Make sure the engine cover is properly seated. It should not be displaced with respect to the guiding fasteners and the throttle body air intake hose.
- Replacement: serpentine belt – MERCEDES-BENZ R-Class (W251, V251). Do not use excessive force during installation. This may damage the part.

14 Remove the fender protection cover.

15 Close the hood.

WELL DONE!

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ⓘ DISCLAIMER:

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AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.